



## Science Toolkit: Grade 7 Objective 6.B.1.b

Student Handout: Science: Grade 7 Objective 6.B.1.b

Standard 6.0 Environmental Science

Topic B. Environmental Issues

Indicator 1. Recognize and describe that environmental changes can have local, regional, and global consequences.

Objective b. Identify and describe that different individual people or groups of people are affected by an issue in different ways.

Selected Response (SR) Item

Question

Use the information below to answer the following:

Ethanol is a type of alcohol made from plants. Sugarcane and corn, which are both used in foods such as cereals and breads, are used to make ethanol. Burning ethanol provides a clean source of energy because the products of ethanol are water and carbon dioxide. Therefore, mixing ethanol with gasoline reduces harmful waste products.

In the 1970s, many Brazilians drove cars with engines that used an ethanol-gasoline mixture. This alternative fuel conserved the limited supply of gasoline available at that time. In the 1990s, gasoline became cheaper than ethanol, and Brazilians returned to driving more gasoline-fueled cars. Recently, Brazilians started driving more cars that use an ethanol-gasoline mixture.

Which group would benefit most if drivers in the United States fueled their vehicles with an ethanol-gasoline mixture?

- A. crop farmers
- B. oil companies
- C. grocery stores
- D. car manufacturers

Correct Answer

A. crop farmers

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